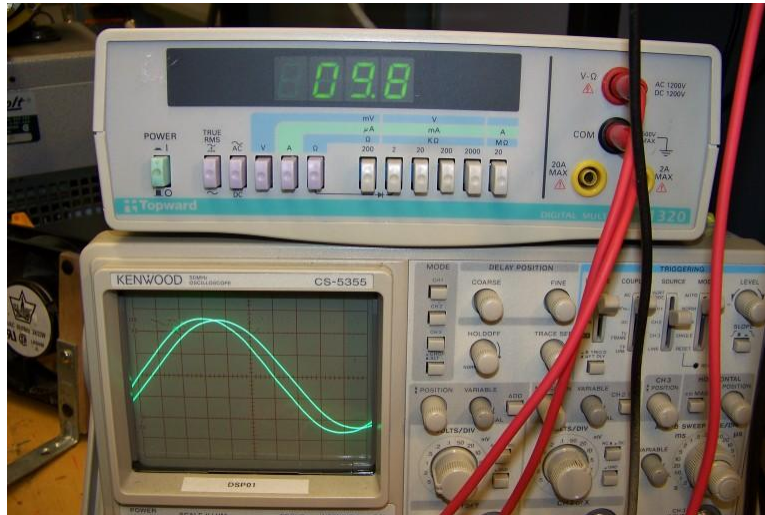


Potential +/- Difference Inc.

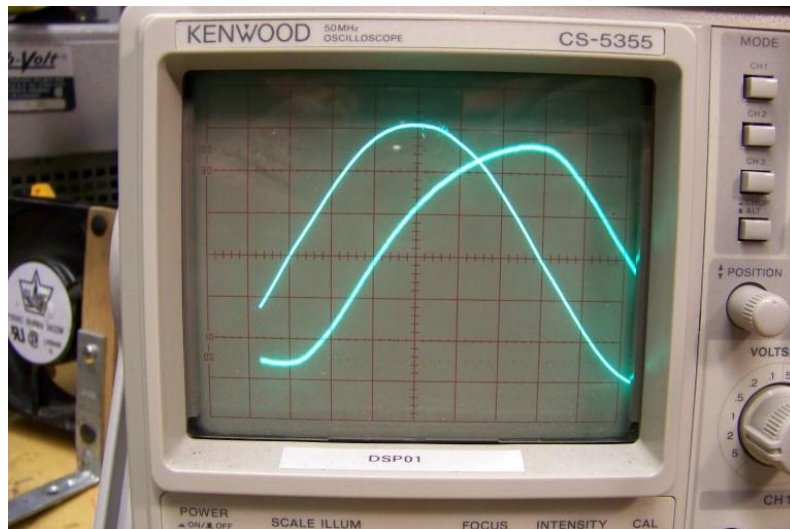
Bi-Toroid Transformer Tests

MAGNA INTERNATIONAL AUGUST 11TH, 2009 – BI-TOROID DEMO DATA

CONVENTIONAL TRANSFORMER

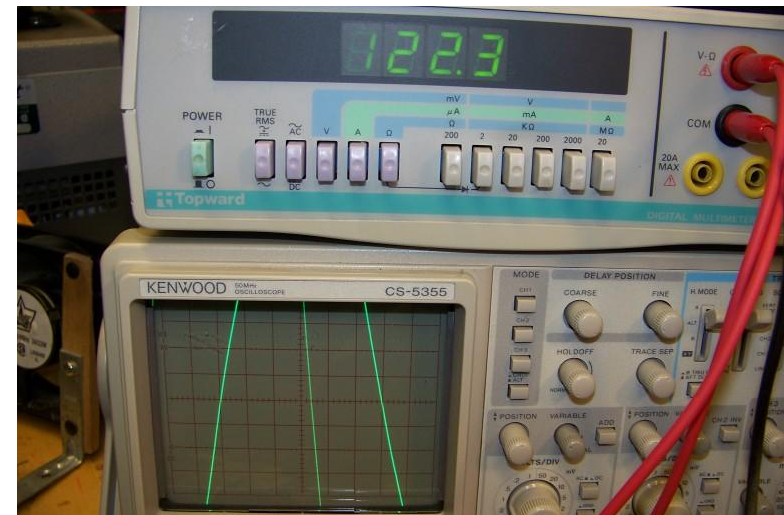


Conventional Transformer Input Voltage = 9.8 Volts

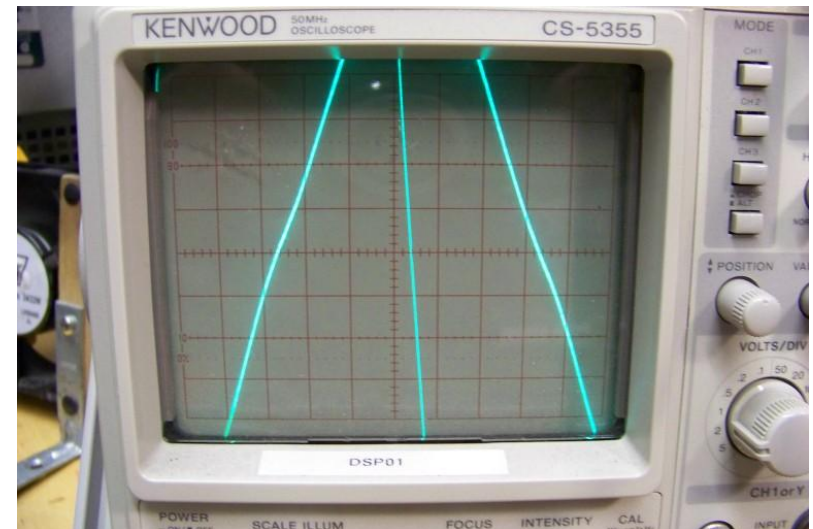


No Load Power Factor = 0.5 / 60 Degrees

BI-TOROID TRANSFORMER



Bi-Toroid Input Voltage = 122.3 Volts



No Load Power Factor = 0.0 / 90 Degrees

Potential +/- Difference Inc.

Bi-Toroid Transformer Tests

MAGNA INTERNATIONAL AUGUST 11TH, 2009 – BI-TOROID DEMO DATA

CONVENTIONAL TRANSFORMER

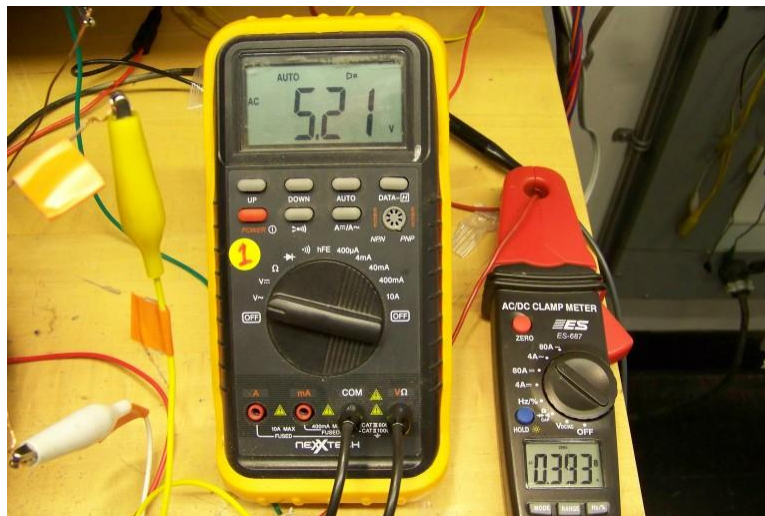


No Load Input Current = 0.013 Amps

BI-TOROID TRANSFORMER



No Load Input Current = 0.043 Amps



Load Voltage = 5.21 Volts and Input Current = 0.393 Amps



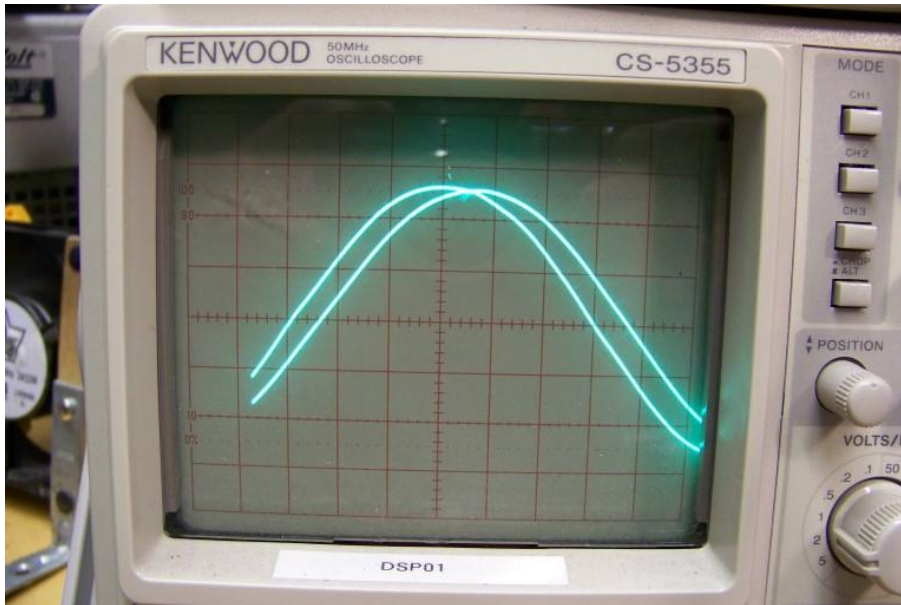
Load Voltage = 5.23 Volts and Input Current = 0.061 Amps

Potential +/- Difference Inc.

Bi-Toroid Transformer Tests

MAGNA INTERNATIONAL AUGUST 11TH, 2009 – BI-TOROID DEMO DATA

CONVENTIONAL TRANSFORMER Pf ON LOAD



On Load Power Factor = 0.95 / 18 Degrees

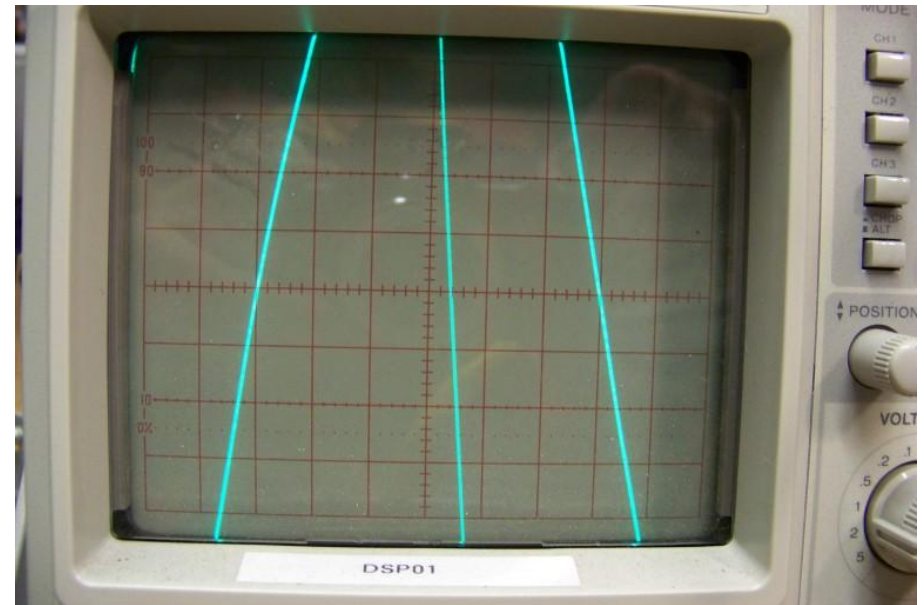
Conventional Transformer Performance Data

Input Voltage = 9.8 volts
Input Current = 0.393 amps
Power Factor = 0.95 / 18 degrees
Input Power = 3.66 W

Load Voltage = 5.21 volts
Output Power = 2.71W

Conventional Transformer Efficiency = 74 %

BI-TOROID TRANSFORMER Pf ON LOAD



On Load Power Factor = 0.21 / 78 Degrees

Bi-Toroid Transformer Performance Data

Input Voltage = 122.3 volts
Input Current = 0.061 amps
Power Factor = 0.21 / 78 degrees
Input Power = 1.55 W

Load Voltage = 5.23 volts
Output Power = 2.74W

Bi-Toroid Efficiency = 177 %